Author Index

Allard, B. 213
Ambach, W. 289
Antona, J.F. 243
Arsenie, I. 213

Baril, M. 221
Battu, S. 83
Blank, L.W. 145
Bono, R. 261
Boren, H. 213
Brunner, P. 289
Bunzl, K. 93

Chandra, P. 203
Cohen, A. 15
Collier, T.K. 169
Corbella, J. 253
Crane, A.J. 145

Domingo, J.L. 253

Ennemoser, O. 289
Evans, W.H. 269

Fainshtein, G. 15
Fowler, G.D. 31
Funasaka, R. 137
Futaedani, N. 137

García Sánchez, G. 243
Gilli, G. 261
Guerrini, E. 261

Hibino, M. 1
Hom, T. 169

Ilangovan, K. 187

Kano, Y. 137
Kito, H. 1
Klaus, N. 221
Krumgalz, B.S. 15

Leduc, R. 221
Llobet, J.M. 253
Lofgren, L. 195

Madany, I.M. 53, 281
Matsuda, H. 1
Menichini, E. 109
Myers, M.S. 169

Nagase, H. 1, 137

Ose, Y. 1, 137

Perry, R. 31
Petersson, G. 195
Pollard, S.J.T. 31

Rai, U.N. 203
Rama, D.B.K. 159
Raveendran, E. 281

Sanborn, H.R. 169
Sato, T. 1, 137
Schimmack, W. 93
Schneider, P. 289
Schuhmacher, M. 253
Scursatone, E. 261
Sefton, G.V. 269
Singh, P.P. 83
Skeffington, R.A. 145
Sollars, C.J. 31
Stein, J.E. 169

Udeaan, A.S. 83
Urrutia, M. 243

van Donkelaar, P. 59
Varanasi, U. 169
Vivekanandan, M. 187

Wachs, B. 59
Wagner, H. 59
Watanabe, N. 137

Yamada, M. 137
Yousefi, V. 159

Subject Index

Laccumulation, *Hydrodictyon,* heavy metal, toxicity, 203

Acid rain, pollution, ecological effects, nitrogen deposition, carbon dioxide, global warming, 145

Adsorbants, carbonaceous, wastes, waste u-use, wastewater treatment, 31

Aerosol origins and trajectories, low pressure cascade impactors, low pressure inertial collectors, forest, FABMS, SIMS and ESCA analyses, 221

Air particulate matter, burning oil fields in Kuwait, polycyclic aromatic hydrocarbons, nickel, vanadium, Bahrain, 281

Air pollution, microorganisms, metals, 159

Alekenes, roads, automobiles, exhaust, petrol, olefines, gas chromatography, 195

Ames assay, mutagenicity, ozonation, vanillin, vanillic acid, syringaldehyde, 1

Aminolevulinic acid dehydrogenase, blood lead, sex-age, smoking, drinking, Tarragona Province, 253

Aromatic hydrocarbons, reproduction, fish, contaminants, polychlorinated biphenyls, 169

Atmospheric pollution, 1,1,1-trichloroethane, personal exposure, indoor/outdoor air ratio, 261

Automobiles, roads, exhaust, petrol, alekenes, olefines, gas chromatography, 195

Bahrain, burning oil fields in Kuwait, polycyclic aromatic hydrocarbons, nickel, vanadium, air particulate matter, 281

Bahrain, carbon monoxide, carboxyhemoglobin, blood donors, 53

Bio-degradability of engine oils, outboard emissions, lubricants, hydrocarbons in water, degradability of engine oils, 59

Biological respiration, sediment oxygen consumption, lime-based amendment, quick-lime, 137

Blood donors, carbon monoxide, carboxyhemoglobin, Bahrain, 53

Blood lead, sex-age, smoking, drinking, aminolevulinic acid dehydrogenase, Tarragona Province, 253

Burning oil fields in Kuwait, polycyclic aromatic hydrocarbons, nickel, vanadium, air particulate matter, Bahrain, 281

Cadmium, geochemistry, prostate cancer, Spain, 243

Carbon dioxide, pollution, ecological effects, acid rain, nitrogen deposition, global warming, 145

Carbon monoxide, carboxyhemoglobin, blood donors, Bahrain, 53

Carbonaceous, adsorbants, wastes, waste u-use, wastewater treatment, 31

Carboxyhemoglobin, carbon monoxide, blood donors, Bahrain, 53

Carboxylic acid, humic acid, fulvic acid, derivatization, methylation, saponification, 213

Column, migration, radiocesium, soil, residence time, 93

Contaminants, reproduction, fish, polychlorinated biphenyls, aromatic hydrocarbons, 169

Contamination, grain size effect, heavy metals, 15

DDT, HCH, indoor air, residues, 83

Degradability of engine oils, outboard emissions, lubricants, hydrocarbons in water, bio-degradability of engine oils, 59

Derivatization, humic acid, fulvic acid, carboxylic acid, methylation, saponification, 213

Drinking, blood lead, sex-age, smoking,

aminolevulinic acid dehydrogenase, Tarragona Province, 253

Ecological effects, pollution, acid rain, nitrogen deposition, carbon dioxide, global warming, 145
Exhaust, roads, automobiles, petrol, alekenes, olefines, gas chromatography, 195

FABMS, SIMS and ESCA analyses, low pressure cascade impactors, low pressure inertial collectors, forest, aerosol origins and trajectories, 221
Fish, reproduction, contaminants, polychlorinated biphenyls, aromatic hydrocarbons, 169
Forest, low pressure cascade impactors, low pressure inertial collectors, FABMS, SIMS and ESCA analyses, aerosol origins and trajectories, 221
Fulvic acid, humic acid, carboxylic acid, derivatization, methylation, saponification, 213

Gas chromatography, roads, automobiles, exhaust, petrol, alekenes, olefines, 195
Geochemistry, cadmium, prostate cancer, Spain, 243
Global warming, pollution, ecological effects, acid rain, nitrogen deposition, carbon dioxide, 145
Grain size effect, contamination, heavy metals, 15

HCH, DDT, indoor air, residues, 83
Heavy metal, hydrodictyon, accumulation, toxicity, 203
Heavy metals, grain size effect, contamination, 15
Humic acid, fulvic acid, carboxylic acid, derivatization, methylation, saponification, 213
Hydrocarbon pollution, oil-polluted soil, leghaemoglobin, 187
Hydrocarbons in water, outboard emissions, lubricants, degradability of engine oils, bio-degradability of engine oils, 59
Hydrodictyon, heavy metal, accumulation, toxicity, 203

Indoor air, DDT, HCH, residues, 83
Indoor radon, pottery, school, 289
Indoor/outdoor air ratio, 1,1,1-trichloroethane, atmospheric pollution, personal exposure, 261

Leghaemoglobin, oil-polluted soil, hydrocarbon pollution, 187
Lime-based amendment, sediment oxygen consumption, biological respiration, quick-lime, 137
Low pressure cascade impactors, low pressure inertial collectors, forest, FABMS, SIMS and ESCA analyses, aerosol origins and trajectories, 221
Low pressure inertial collectors, low pressure cascade impactors, forest, FABMS, SIMS and ESCA analyses, aerosol origins and trajectories, 221
Lubricants, outboard emissions, hydrocarbons in water, degradability of engine oils, bio-degradability of engine oils, 59

Metals, air pollution, microorganisms, 159
Methylation, humic acid, fulvic acid, carboxylic acid, derivatization, saponification, 213
Microorganisms, air pollution, metals, 159
Migration, radiocesium, soil, column, residence time, 93
Mutagenicity, Ames assay, ozonation, vanillin, vanillic acid, syringaldehyde, 1

Nickel, burning oil fields in Kuwait, polycyclic aromatic hydrocarbons, vanadium, air particulate matter, Bahrain, 281
Nicotine, sidestream smoke cigarette yields, PMWNF, 269
Nitrogen deposition, pollution, ecological effects, acid rain, carbon dioxide, global warming, 145

Oil-polluted soil, hydrocarbon pollution, leghaemoglobin, 187
Olefines, roads, automobiles, exhaust, petrol, alekenes, gas chromatography, 195
Outboard emissions, lubricants, hydrocarbons in water, degradability of engine oils, bio-degradability of engine oils, 59

Ozonation, Ames assay, mutagenicity, vanillin, vanillic acid, syringaldehyde, 1

Personal exposure, 1,1,1-trichloroethane, atmospheric pollution, indoor/outdoor air ratio, 261
Petrol, roads, automobiles, exhaust, alekenes, olefines, gas chromatography, 195
PMWNF, sidestream smoke cigarette yields, nicotine, 269
Pollution, ecological effects, acid rain, nitrogen deposition, carbon dioxide, global warming, 145
Polychlorinated biphenyls, reproduction, fish, contaminants, aromatic hydrocarbons, 169
Polycyclic aromatic hydrocarbons, burning oil fields in Kuwait, nickel, vanadium, air particulate matter, Bahrain, 281
Polycyclic aromatic hydrocarbons, urban air, 109
Pottery, indoor radon, school, 289
Prostate cancer, geochemistry, cadmium, Spain, 243

Quick-lime, sediment oxygen consumption, biological respiration, lime-based amendment, 137

Radiocesium, migration, soil, column, residence time, 93
Reproduction, fish, contaminants, polychlorinated biphenyls, aromatic hydrocarbons, 169
Residence time, migration, radiocesium, soil, column, 93
Residues, DDT, HCH, indoor air, 83
Roads, automobiles, exhaust, petrol, alekenes, olefines, gas chromatography, 195

Saponification, humic acid, fulvic acid, carboxylic acid, derivatization, methylation, 213
School, indoor radon, pottery, 289
Sediment oxygen consumption, biological respiration, lime-based amendment, quick-lime, 137
Sex-age, blood lead, smoking, drinking, aminolevulinic acid dehydrogenase, Tarragona Province, 253
Sidestream smoke cigarette yields, PMWNF, nicotine, 269
Smoking, blood lead, sex-age, drinking, aminolevulinic acid dehydrogenase, Tarragona Province, 253
Soil, migration, radiocesium, column, residence time, 93
Spain, geochemistry, cadmium, prostate cancer, 243
Syringaldehyde, Ames assay, mutagenicity, ozonation, vanillin, vanillic acid, 1

Tarragona Province, blood lead, sex-age, smoking, drinking, aminolevulinic acid dehydrogenase, 253
Toxicity, hydrodictyon, heavy metal, accumulation, 203
1,1,1-Trichloroethane, atmospheric pollution, personal exposure, indoor/outdoor air ratio, 261

Urban air, polycyclic aromatic hydrocarbons, 109

Vanadium, burning oil fields in Kuwait, polycyclic aromatic hydrocarbons, nickel, air particulate matter, Bahrain, 281
Vanillic acid, Ames assay, mutagenicity, ozonation, vanillin, syringaldehyde, 1
Vanillin, Ames assay, mutagenicity, ozonation, vanillic acid, syringaldehyde, 1

Waste u-use, adsorbants, carbonaceous, wastes, wastewater treatment, 31
Wastes, adsorbants, carbonaceous, waste u-use, wastewater treatment, 31
Wastewater treatment, adsorbants, carbonaceous, wastes, waste u-use, 31